

WEST Search History

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DATE: Thursday, November 16, 2006

Hide?	Set Name	Query	Hit Count
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L7	WO-9745143-A1.did.	1
<input type="checkbox"/>	L6	WO-9745143-A1.did.	1
		<i>DB=PGPB,USPT,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	L4 or l2	41
<input type="checkbox"/>	L4	L3 and (jagged.ab. or jagged.clm.)	7
<input type="checkbox"/>	L3	maciag-thom\$.in. or zimrin-ann\$.in or prudovsky-i\$.in.	32
<input type="checkbox"/>	L2	soluble with jagged	39
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	6716974.pn.	1

END OF SEARCH HISTORY

US-10-213-329-1

; Sequence 1, Application US/10213329
; Patent No. 6825007
; GENERAL INFORMATION:
; APPLICANT: Zimrin, Ann B.
; APPLICANT: Maciag, Thomas
; APPLICANT: Wong, Michael K.K.
; APPLICANT: Pepper, Michael S.
; APPLICANT: Montesano, Roberto
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS
; TITLE OF INVENTION: BASED ON JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: 0036-1U1
; CURRENT APPLICATION NUMBER: US/10/213,329
; CURRENT FILING DATE: 2002-08-06
; PRIOR APPLICATION NUMBER: US/09/199,865
; PRIOR FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: 60/018,841
; PRIOR FILING DATE: 1996-05-31
; PRIOR APPLICATION NUMBER: PCT/US97/09407
; PRIOR FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-213-329-1

Query Match 98.9%; Score 6986; DB 2; Length 1208;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1204; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 11 GRPLSLLLALLCALRAKVGASQFELEILSMQNVNGELQNGNCCGGARNPGDRKCTRDE 70
Db 1 GTSLSLLLALLCALRAKVGASQFELEILSMQNVNGELQNGNCCGGARNPGDRKCTRDE 60
Qy 71 CDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDNRNIVLPFSFAWPR 130
Db 61 CDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDNRNIVLPFSFAWPR 120
Qy 131 SYTLLVEAWDSSNDTVQPDSIIKASHSGMINPSRQWQTLKQNTGVAHFYQIRVTCDDY 190
Db 121 SYTLLVEAWDSSNDTVQPDSIIKASHSGMINPSRQWQTLKQNTGVAHFYQIRVTCDDY 180
Qy 191 YYGFGCNKFCRPRDDFFGHYACDQNGNKTCEMGWMGPECNRAICRQGCSPKHGSKLPGD 250
Db 181 YYGFGCNKFCRPRDDFFGHYACDQNGNKTCEMGWMGPECNRAICRQGCSPKHGSKLPGD 240
Qy 251 CRCQYGWQGLYCDKCIHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYCGTHQPCLNGG 310
Db 241 CRCQYGWQGLYCDKCIHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYCGTHQPCLNGG 300
Qy 311 TCSNTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSCKETSLGFECECSPGWTGPT 370
Db 301 TCSNTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSCKETSLGFECECSPGWTGPT 360
Qy 371 CSTNIDDCSPNNCSHGTCQDLVNGFKVCVPPQWTGKTCQLDANECEAKPCVNAKSKNL 430
Db 361 CSTNIDDCSPNNCSHGTCQDLVNGFKVCVPPQWTGKTCQLDANECEAKPCVNAKSKNL 420
Qy 431 IASYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYAGDHCERDIDE 490
Db 421 IASYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYAGDHCERDIDE 480
Qy 491 CASNPCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQCYNRASDYFCK 550
Db 481 CASNPCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQCYNRASDYFCK 540

Qy	551	CPEDYEGKNCSHLKDHCR	TTT	PCEVIDSCTVAMASNDT	PEGVRYISSNVCGPHGKCKSQSG	610
Db	541	CPEDYEGKNCSHLKDHCR	TTT	PCEVIDSCTVAMASNDT	PEGVRYISSNVCGPHGKCKSQSG	600
Qy	611	GKFTCDCNKGFTGT	TYCHENINDCESNPCRNGGTCIDGVNSYKICISDGWEGAYCETNIND	670		
Db	601	GKFTCDCNKGFTGT	TYCHENINDCESNPCRNGGTCIDGVNSYKICISDGWEGAYCETNIND	660		
Qy	671	CSQNPCHNGGTCRDLV	NDFYCDCKNGWKGKTCHSRDSQCDEATC	NNGGTCYDEGDAFKCM	730	
Db	661	CSQNPCHNGGTCRDLV	NDFYCDCKNGWKGKTCHSRDSQCDEATC	NNGGTCYDEGDAFKCM	720	
Qy	731	CPGGWEGTTTCNIARN	SSCLPNPCHNGGTCVVNGESFTCVCKEGWEGPICAQNTNDCSPHP	790		
Db	721	CPGGWEGTTTCNIARN	SSCLPNPCHNGGTCVVNGESFTCVCKEGWEGPICAQNTNDCSPHP	780		
Qy	791	CYNSGTCVDGDNWYR	CECAPGFAGPD	CRININECQSSPCAFGATCVDEINGYRCVCP	PPGH 850	
Db	781	CYNSGTCVDGDNWYR	CECAPGFAGPD	CRININECQSSPCAFGATCVDEINGYRCVCP	PPGH 840	
Qy	851	SGAKCQEVSGRPCIT	MGSVIPDGAkWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSE	910		
Db	841	SGAKCQEVSGRPCIT	MGSVIPDGAkWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSE	900		
Qy	911	CPSGQSCIPILDDQ	CFVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCANITFTFNKEMM	970		
Db	901	CPSGQSCIPILDDQ	CFVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCANITFTFNKEMM	960		
Qy	971	SPGLTTEHICSELRL	NLNILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKE	1030		
Db	961	SPGLTTEHICSELRL	NLNILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKE	1020		
Qy	1031	ITDKIIDLVSKRDG	NSSLIAAAVEVRVQRRPLKNRTDFLVPLLSVLTVAWICCLVTAFY	1090		
Db	1021	ITDKIIDLVSKRDG	NSSLIAAAVEVRVQRRPLKNRTDFLVPLLSVLTVAWICCLVTAFY	1080		
Qy	1091	WCLRKRKPGSH	THSASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIR	1150		
Db	1081	WCLRKRKPGSH	THSASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIR	1140		
Qy	1151	THNSEVEEDDMDKH	QOKARFQKQPAYTLVDREEKPPNGTPTKHPNWTNKQDNRDLESAQS	1210		
Db	1141	THNSEVEEDDMDKH	QOKARFQKQPAYTLVDREEKPPNGTPTKHPNWTNKQDNRDLESAQS	1200		
Qy	1211	LNRMEYIV	1218			
Db	1201	LNRMEYIV	1208			

Sequence 18, Application US/09579536C
; Patent No. 6716974
; GENERAL INFORMATION:
; APPLICANT: MACIAG, Thomas
; APPLICANT: ZIMRIN, Ann
; APPLICANT: SMALL, Deena
; APPLICANT: PRUDOVSKY, Igor
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS BASED ON JAGGED/NOTCH
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: 053689-5002-01
; CURRENT APPLICATION NUMBER: US/09/579,536C
; CURRENT FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/199,865
; PRIOR FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: PCT/US97/09407
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/018,841
; PRIOR FILING DATE: 1996-05-31
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 1067
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-579-536C-18

Query Match 100.0%; Score 6248; DB 2; Length 1067;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1067; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	MRSRPRTRGRSGRPLSLLLALLCALRAKVC GASGFEEILSMQNVNGELQNGNCCGGARN	60
Qy	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGNTFNLKASRGNDNRNI	120
Db	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGNTFNLKASRGNDNRNI	120
Qy	121	VLPFSFAWPRS Y TLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE	180
Db	121	VLPFSFAWPRS Y TLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE	180
Qy	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCS	240
Db	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCS	240
Qy	241	KHGSKLPGDCRCQYGWQGLYCDKCI PHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYC	300
Db	241	KHGSKLPGDCRCQYGWQGLYCDKCI PHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYC	300
Qy	301	GTHQPCLNGGTCSNTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETS LGFEC	360
Db	301	GTHQPCLNGGTCSNTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETS LGFEC	360
Qy	361	ECSPGWTGPTCSTNIDDCSPNNCSHGGTCDLVNGFKVCPPQWTGKTCQLDANECEAKP	420
Db	361	ECSPGWTGPTCSTNIDDCSPNNCSHGGTCDLVNGFKVCPPQWTGKTCQLDANECEAKP	420
Qy	421	CVNAKSKNLIASYYCDCLPGWMGQNC DININDCLGQCQNDASCRDLVNGYRCICPPGYA	480
Db	421	CVNAKSKNLIASYYCDCLPGWMGQNC DININDCLGQCQNDASCRDLVNGYRCICPPGYA	480
Qy	481	GDHCERDIDECASNPLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC	540
Db	481	GDHCERDIDECASNPLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC	540
Qy	541	YNRASDYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCG	600

Db	541	YNRASDYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCG	600
Qy	601	PHGKCKSQSGGKFTCDCNKGFTGTYPHENINDCESNPCRNGGTCIDGVNSYKICICSDGWE	660
Db	601	PHGKCKSQSGGKFTCDCNKGFTGTYPHENINDCESNPCRNGGTCIDGVNSYKICICSDGWE	660
Qy	661	GAYCETNINDCSQNPCHNGGTCRDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC	720
Db	661	GAYCETNINDCSQNPCHNGGTCRDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC	720
Qy	721	YDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCVVNGESFTCVCKEGWEGPICA	780
Db	721	YDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCVVNGESFTCVCKEGWEGPICA	780
Qy	781	QNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN	840
Db	781	QNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN	840
Qy	841	GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR	900
Db	841	GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR	900
Qy	901	PCLLHKHGHSECPSGQSCIPILDDQCFVHPCTGVGECRSSSLQPVTKCTSDSYQDNCAN	960
Db	901	PCLLHKHGHSECPSGQSCIPILDDQCFVHPCTGVGECRSSSLQPVTKCTSDSYQDNCAN	960
Qy	961	ITFTFNKEMMSPGLTTEHICSELRLNLILKNVSAEYSIYIACEPSPSANNEIHVAISAED	1020
Db	961	ITFTFNKEMMSPGLTTEHICSELRLNLILKNVSAEYSIYIACEPSPSANNEIHVAISAED	1020
Qy	1021	IRDDGNPIKEITDKIIDLVSKRDGNSSLIAAFAEVRVQRRPLKNRTD	1067
Db	1021	IRDDGNPIKEITDKIIDLVSKRDGNSSLIAAFAEVRVQRRPLKNRTD	1067

RESULT 2

US-08-882-046-2

; Sequence 2, Application US/08882046

; Patent No. 6136952

; GENERAL INFORMATION:

; APPLICANT: Li, Linheng

; APPLICANT: Hood, Leroy

; APPLICANT: Krantz, Ian D.

; APPLICANT: Spinner, Nancy B.

; TITLE OF INVENTION: Human Jagged Polypeptide, Encoding

; TITLE OF INVENTION: Nucleic Acids and Methods of Use

; NUMBER OF SEQUENCES: 110

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Campbell & Flores LLP

; STREET: 4370 La Jolla Village Drive, Suite 700

; CITY: San Diego

; STATE: California

; COUNTRY: USA

; ZIP: 92122

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/882,046

; FILING DATE: 25-JUN-1997

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Campbell, Cathryn A.

; REGISTRATION NUMBER: 31,815

; REFERENCE/DOCKET NUMBER: P-UW 2637
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1218 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-882-046-2

Query Match 100.0%; Score 6248; DB 2; Length 1218;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1067; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MRSPRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCGGARN	60
Db	1	MRSPRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCGGARN	60
Qy	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDRNRI	120
Db	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDRNRI	120
Qy	121	VLPFSFAWPRSYYTLLVEAWDSSNDTVQPDSII EKASHSGMINPSRQWQTLKQNTGVAHFE	180
Db	121	VLPFSFAWPRSYYTLLVEAWDSSNDTVQPDSII EKASHSGMINPSRQWQTLKQNTGVAHFE	180
Qy	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCEGWMGPECNRAICRQGCSP	240
Db	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCEGWMGPECNRAICRQGCSP	240
Qy	241	KHGSKCLPGDCRCQYGWQGLYCDKCI PHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYC	300
Db	241	KHGSKCLPGDCRCQYGWQGLYCDKCI PHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYC	300
Qy	301	GTHQPCLNGGTCSENTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETS LGFEC	360
Db	301	GTHQPCLNGGTCSENTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETS LGFEC	360
Qy	361	ECSPGWTGPTCSTNIDDCSPNNCSHG GTCQDLVNGFKVCPPQWTGKTCQLDANECEAKP	420
Db	361	ECSPGWTGPTCSTNIDDCSPNNCSHG GTCQDLVNGFKVCPPQWTGKTCQLDANECEAKP	420
Qy	421	CVNAKSCKNLIASYYCDCLPGWMGQNC DININDCLGQCQNDASCRDLVNGYRCICPPGYA	480
Db	421	CVNAKSCKNLIASYYCDCLPGWMGQNC DININDCLGQCQNDASCRDLVNGYRCICPPGYA	480
Qy	481	GDH CERDIDE CASNPCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC	540
Db	481	GDH CERDIDE CASNPCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC	540
Qy	541	YNRASDYFCKCPEDYEGKNCSHLKDH CRTTPCEVIDSCTVAMASNDTPEGVRYISSNVCG	600
Db	541	YNRASDYFCKCPEDYEGKNCSHLKDH CRTTPCEVIDSCTVAMASNDTPEGVRYISSNVCG	600
Qy	601	PHGKCKSQSGGKFTCD CNKGFTGT YCHENINDCESNPCRNGGTCIDGVNSYKCICSDGWE	660
Db	601	PHGKCKSQSGGKFTCD CNKGFTGT YCHENINDCESNPCRNGGTCIDGVNSYKCICSDGWE	660
Qy	661	GAYCETNINDCSQNPCHNGGTCRDLV NDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC	720
Db	661	GAYCETNINDCSQNPCHNGGTCRDLV NDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC	720
Qy	721	YDEGDAFKCMCPGGWEGTTCNIARNSS CLPNPCHNGGTCVVNGESFTCVCKEGWEGPICA	780
Db	721	YDEGDAFKCMCPGGWEGTTCNIARNSS CLPNPCHNGGTCVVNGESFTCVCKEGWEGPICA	780

```

; NUMBER OF SEQUENCES: 110
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Campbell & Flores LLP
;   STREET: 4370 La Jolla Village Drive, Suite 700
;   CITY: San Diego
;   STATE: California
;   COUNTRY: USA
;   ZIP: 92122
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/566,047
;   FILING DATE: 05-May-2000
;   CLASSIFICATION:
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/882,046
;   FILING DATE: 25-JUN-1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: Campbell, Cathryn A.
;   REGISTRATION NUMBER: 31,815
;   REFERENCE/DOCKET NUMBER: P-UW 4164
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (858) 535-9001
;   TELEFAX: (858) 535-8949
; INFORMATION FOR SEQ ID NO: 2:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 1218 amino acids
;     TYPE: amino acid
;     TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-566-047-2

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Query Match          100.0%;  Score 6248;  DB 2;  Length 1218;
Best Local Similarity 100.0%;  Pred. No. 0;
Matches 1067;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db      1 MRSRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCGGARN 60

Qy     61 PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDNRNI 120
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Db     61 PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDNRNI 120

Qy    121 VLPFSFAWPRS YTLLEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE 180
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Db    121 VLPFSFAWPRS YTLLEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE 180

Qy    181 YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP 240
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Db    181 YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP 240

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Db    301 GTHQPCLNGGTCSNTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETS LGFEC 360

Qy    361 ECSPGWTGPTCSNIDDCSPNNCSHGGTCQDLVNGFKVCPPQWTGKTCQLDANECEAKP 420
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Db    361 ECSPGWTGPTCSNIDDCSPNNCSHGGTCQDLVNGFKVCPPQWTGKTCQLDANECEAKP 420

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Qy 421 CVNAKSCKNLIASYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYA 480
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 Db 421 CVNAKSCKNLIASYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYA 480

Qy 481 GDHCERDIDECASNPCNLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC 540
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 Db 481 GDHCERDIDECASNPCNLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC 540

Qy 541 YNRASDYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCG 600
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 Db 541 YNRASDYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCG 600

Qy 601 PHGKCKSQSGGKFTCDCKNGFTGTYPHENINDCESNPCRNGGTCTDGVNSYKICSDGWE 660
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 Db 601 PHGKCKSQSGGKFTCDCKNGFTGTYPHENINDCESNPCRNGGTCTDGVNSYKICSDGWE 660

Qy 661 GAYCETNINDCSQNPCHNGGTCTDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC 720
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 Db 661 GAYCETNINDCSQNPCHNGGTCTDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC 720

Qy 721 YDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCTVNGESFTCVCKEGWEGPICA 780
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 Db 721 YDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCTVNGESFTCVCKEGWEGPICA 780

Qy 781 QNTNDCSPHPCYNSGTCTVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN 840
 |||
 Db 781 QNTNDCSPHPCYNSGTCTVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN 840

Qy 841 GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR 900
 |||
 Db 841 GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR 900

Qy 901 PCLLHKHGHSECPGQSCIPILDDQCFVHPCTGVGECRSSSLQPVTKCTSDSYQDNCAN 960
 |||
 Db 901 PCLLHKHGHSECPGQSCIPILDDQCFVHPCTGVGECRSSSLQPVTKCTSDSYQDNCAN 960

Qy 961 ITFTFNKEMMSPGLTTEHICSELRLNLIKVNVAEYSIYIACEPSPSANNEIHVAISAED 1020
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 Db 961 ITFTFNKEMMSPGLTTEHICSELRLNLIKVNVAEYSIYIACEPSPSANNEIHVAISAED 1020

Qy 1021 IRDDGNPIKEITDKIIDLVSKRDGNSSSLIAAFAEVRVQRRPLKNRTD 1067
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 Db 1021 IRDDGNPIKEITDKIIDLVSKRDGNSSSLIAAFAEVRVQRRPLKNRTD 1067

RESULT 5

US-09-579-536C-1

; Sequence 1, Application US/09579536C

; Patent No. 6716974

; GENERAL INFORMATION:

; APPLICANT: MACIAG, Thomas

; APPLICANT: ZIMRIN, Ann

; APPLICANT: SMALL, Deena

; APPLICANT: PRUDOVSKY, Igor

; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS BASED ON JAGGED/NOTCH

; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS

; FILE REFERENCE: 053689-5002-01

; CURRENT APPLICATION NUMBER: US/09/579,536C

; CURRENT FILING DATE: 2000-05-24

; PRIOR APPLICATION NUMBER: US 09/199,865

; PRIOR FILING DATE: 1998-11-25

; PRIOR APPLICATION NUMBER: PCT/US97/09407

; PRIOR FILING DATE: 1997-05-30

; PRIOR APPLICATION NUMBER: US 60/018,841

; PRIOR FILING DATE: 1996-05-31

; NUMBER OF SEQ ID NOS: 56

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-579-536C-1

Query Match 100.0%; Score 6248; DB 2; Length 1218;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1067; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MRSRPRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCGGARN	60
Db	1	MRSRPRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCGGARN	60
Qy	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFSGSTPVIGGNTFNLKASRGNDRNRI	120
Db	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFSGSTPVIGGNTFNLKASRGNDRNRI	120
Qy	121	VLPFSFAWPRSYYTLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE	180
Db	121	VLPFSFAWPRSYYTLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE	180
Qy	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP	240
Db	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP	240
Qy	241	KHGSKLPGDCRCQYGWQGLYCDKCIHPGCVHIGICNEPWQCLCETNWGGQLCDKDLNYC	300
Db	241	KHGSKLPGDCRCQYGWQGLYCDKCIHPGCVHIGICNEPWQCLCETNWGGQLCDKDLNYC	300
Qy	301	GTHQPCLNGGTCSENTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETSLSGFEC	360
Db	301	GTHQPCLNGGTCSENTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETSLSGFEC	360
Qy	361	ECSPGWTGPTCSTNIDDCSPNNCSHGGETCQDLVNGFKVCPPQWTGKTCQLDANECEAKP	420
Db	361	ECSPGWTGPTCSTNIDDCSPNNCSHGGETCQDLVNGFKVCPPQWTGKTCQLDANECEAKP	420
Qy	421	CVNAKSCKNLIASYYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYA	480
Db	421	CVNAKSCKNLIASYYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYA	480
Qy	481	GDHCERDIDECASNPNCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC	540
Db	481	GDHCERDIDECASNPNCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC	540
Qy	541	YNRASDYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCG	600
Db	541	YNRASDYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCG	600
Qy	601	PHGKCKSQSGGKFTCDCKNGFTGTYPHENINDCESNPCRNGGTCIDGVNSYKICSDGWE	660
Db	601	PHGKCKSQSGGKFTCDCKNGFTGTYPHENINDCESNPCRNGGTCIDGVNSYKICSDGWE	660
Qy	661	GAYCETNINDCSQNPCHNGGTCRDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC	720
Db	661	GAYCETNINDCSQNPCHNGGTCRDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC	720
Qy	721	YDEGDFAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCVVNGESFTCVCKEGWEGPICA	780
Db	721	YDEGDFAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCVVNGESFTCVCKEGWEGPICA	780
Qy	781	QNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN	840
Db	781	QNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN	840

Qy	841	GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR	900
Db	841	GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR	900
Qy	901	PCLLHKHGHSECPSGQSCIPILDDQCFVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCAN	960
Db	901	PCLLHKHGHSECPSGQSCIPILDDQCFVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCAN	960
Qy	961	ITFTFNKEMMSPGLTTEHICSELRLNLILKNVSAEYSIYIACEPSPSANNEIHVAISAED	1020
Db	961	ITFTFNKEMMSPGLTTEHICSELRLNLILKNVSAEYSIYIACEPSPSANNEIHVAISAED	1020
Qy	1021	IRDDGNPIKEITDKIIDLVSKRDGNSSLIAAAVEVRVQRRPLKNRTD	1067
Db	1021	IRDDGNPIKEITDKIIDLVSKRDGNSSLIAAAVEVRVQRRPLKNRTD	1067

RESULT 6

US-09-949-016-5902

; Sequence 5902, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5902

; LENGTH: 1218

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-5902

Query Match 100.0%; Score 6248; DB 2; Length 1218;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1067; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MRSRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCGGARN	60
Db	1	MRSRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCGGARN	60
Qy	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDNRNI	120
Db	61	PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDNRNI	120
Qy	121	VLPFSFAWPRSYYTLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE	180
Db	121	VLPFSFAWPRSYYTLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE	180
Qy	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP	240
Db	181	YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP	240
Qy	241	KHGSKLPGDCRCQYGWQGLYCDKCIHPGCVHVICNEPWQCLCETNWGGQLCDKDLNYC	300
Db	241	KHGSKLPGDCRCQYGWQGLYCDKCIHPGCVHVICNEPWQCLCETNWGGQLCDKDLNYC	300
Qy	301	GTHQPCLNGGTCSENTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETSLGFEC	360

RESULT 15
US-10-213-329-2
; Sequence 2, Application US/10213329
; Patent No. 6825007
; GENERAL INFORMATION:
; APPLICANT: Zimrin, Ann B.
; APPLICANT: Maciag, Thomas
; APPLICANT: Wong, Michael K.K.
; APPLICANT: Pepper, Michael S.
; APPLICANT: Montesano, Roberto
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS
; TITLE OF INVENTION: BASED ON JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: 0036-1U1
; CURRENT APPLICATION NUMBER: US/10/213,329
; CURRENT FILING DATE: 2002-08-06
; PRIOR APPLICATION NUMBER: US/09/199,865
; PRIOR FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: 60/018,841
; PRIOR FILING DATE: 1996-05-31
; PRIOR APPLICATION NUMBER: PCT/US97/09407
; PRIOR FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 5458
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-213-329-2

Query Match 98.8%; Score 3611.8; DB 3; Length 5458;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 3613; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy	39	CCTAAGCCTCCTGCTCGCCCTGCTCTGTGCCCTGCGAGCCAAGGTGTGTGGGGCCTCGGG	98
Db	9	CCTAAGCCTCCTGCTCGCCCTGCTCTGTGCCCTGCGAGCCAAGGTGTGTGGGGCCTCGGG	68
Qy	99	TCAGTTCGAGTTGGAGATCCTGTCCATGCAGAACGTGAACGGGGAGCTGCAGAACGGGAA	158
Db	69	TCAGTTCGAGTTGGAGATCCTGTCCATGCAGAACGTGAACGGGGAGCTGCAGAACGGGAA	128
Qy	159	CTGCTGCGGGCGGCGCCCGGAACCCGGGAGACCGCAAGTGCACCCGCGACGAGTGTGACAC	218
Db	129	CTGCTGCGGGCGGCGCCCGGAACCCGGGAGACCGCAAGTGCACCCGCGACGAGTGTGACAC	188
Qy	219	ATACTTCAAAGTGTGCCTCAAGGAGTATCAGTCCCGCGTCACGGCCGGGGGGCCCTGCAG	278
Db	189	ATACTTCAAAGTGTGCCTCAAGGAGTATCAGTCCCGCGTCACGGCCGGGGGGCCCTGCAG	248
Qy	279	CTTCGGCTCAGGGTCCACGCCTGTCATCGGGGGCAACACCTTCAACCTCAAGGCCAGCCG	338
Db	249	CTTCGGCTCAGGGTCCACGCCTGTCATCGGGGGCAACACCTTCAACCTCAAGGCCAGCCG	308
Qy	339	CGGCAACGACCGCAACCCGCATCGTGCTGCCTTTCAGTTTCGCCTGGCCGAGGTCTATAC	398
Db	309	CGGCAACGACCCGAACCCGCATCGTGCTGCCTTTCAGTTTCGCCTGGCCGAGGTCTATAC	368
Qy	399	GTTGCTTGTGGAGGCGTGGGATTCCAGTAATGACACCGTTCAACCTGACAGTATTATTGA	458
Db	369	GTTGCTTGTGGAGGCGTGGGATTCCAGTAATGACACCGTTCAACCTGACAGTATTATTGA	428
Qy	459	AAAGGCTTCTCACTCGGGCATGATCAACCCAGCCGGCAGTGGCAGACGCTGAAGCAGAA	518
Db	429	AAAGGCTTCTCACTCGGGCATGATCAACCCAGCCGGCAGTGGCAGACGCTGAAGCAGAA	488
Qy	519	CACGGGCGTTGCCCCACTTTGAGTATCAGATCCGCGTGACCTGTGATGACTACTACTATGG	578

Db 489 CACGGGCGTTGCCCACTTTGAGTATCAGATCCGCGTGACCTGTGATGACTACTACTATGG 548
 Qy 579 CTTTGGGCTGYAATAAGTTCTGCCGCCCCAGAGATGACTTCTTTGGACACTATGCCTGTGA 638
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 Db 549 CTTTGGGCTGTAATAAGTTCTGCCGCCCCAGAGATGACTTCTTTGGACACTATGCCTGTGA 608
 Qy 639 CCAGAATGGCAACAAAACCTTGCATGGAAGGCTGGATGGGCCCCGAATGTAACAGAGCTAT 698
 |||||
 Db 609 CCAGAATGGCAACAAAACCTTGCATGGAAGGCTGGATGGGCCCCGAATGTAACAGAGCTAT 668
 Qy 699 TTGCCGACAAGGCTGCAGTCCTAAGCATGGGTCTTGCAAACCTCCAGGTGACTGCAGGTG 758
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 Db 669 TTGCCGACAAGGCTGCAGTCCTAAGCATGGGTCTTGCAAACCTCCAGGTGACTGCAGGTG 728
 Qy 759 CCAGTAYGGCTGGCAAGGCCTGTACTGTGATAAGTGCATCCCACACCCGGGATGCGTCCA 818
 |||||:|||||
 Db 729 CCAGTACGGCTGGCAAGGCCTGTACTGTGATAAGTGCATCCCACACCCGGGATGCGTCCA 788
 Qy 819 CGGCATCTGTAATGAGCCCTGGCAGTGCCTCTGTGAGACCAACTGGGGCGGCCAGCTCTG 878
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 Db 789 CGGCATCTGTAATGAGCCCTGGCAGTGCCTCTGTGAGACCAACTGGGGCGGCCAGCTCTG 848
 Qy 879 TGACAAAGATCTCAATTACTGTGGGACTCATCAGCCGTGTCTCAACGGGGGAACCTTGTAG 938
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 Db 849 TGACAAAGATCTCAATTACTGTGGGACTCATCAGCCGTGTCTCAACGGGGGAACCTTGTAG 908
 Qy 939 CAACACAGGCCCTGACAAATATCAGTGTTCCCTGCCCTGAGGGGTATTTCAGGACCCAACCTG 998
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 Db 909 CAACACAGGCCCTGACAAATATCAGTGTTCCCTGCCCTGAGGGGTATTTCAGGACCCAACCTG 968
 Qy 999 TGAAATTGCTGAGCACGCCTGCCTCTCTGATCCCTGTCACAACAGAGGCAGCTGTAAGGA 1058
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 Db 969 TGAAATTGCTGAGCACGCCTGCCTCTCTGATCCCTGTCACAACAGAGGCAGCTGTAAGGA 1028
 Qy 1059 GACCTCCCTGGGCTTTGAGTGTGAGTGTTCCCCAGGCTGGACCGGCCCCACATGCTCTAC 1118
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 Db 1029 GACCTCCCTGGGCTTTGAGTGTGAGTGTTCCCCAGGCTGGACCGGCCCCACATGCTCTAC 1088
 Qy 1119 AAACATTGATGACTGTTCTCCTAATAACTGTTCCACGGGGGCACCTGCCAGGACCTGGT 1178
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 Db 1089 AAACATTGATGACTGTTCTCCTAATAACTGTTCCACGGGGGCACCTGCCAGGACCTGGT 1148
 Qy 1179 TAACGGATTTAAGTGTGTGTGCCCCCACAGTGGACTGGGAAAACGTGCCAGTTAGATGC 1238
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 Db 1149 TAACGGATTTAAGTGTGTGTGCCCCCACAGTGGACTGGGAAAACGTGCCAGTTAGATGC 1208
 Qy 1239 AAATGAATGTGAGGCCAAACCTTGTGTAAACGCCAAATCCTGTAAGAATCTCATTGCCAG 1298
 |||||
 Db 1209 AAATGAATGTGAGGCCAAACCTTGTGTAAACGCCAAATCCTGTAAGAATCTCATTGCCAG 1268
 Qy 1299 CTACTACTGCGACTGTCTTCCCGGCTGGATGGGTGAGAATTGTGACATAAATATTAATGA 1358
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 Db 1269 CTACTACTGCGACTGTCTTCCCGGCTGGATGGGTGAGAATTGTGACATAAATATTAATGA 1328
 Qy 1359 CTGCCTTGCCAGTGTGAGAATGACGCCTCCTGTCGGGATTTGGTTAATGGTTATCGCTG 1418
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 Db 1329 CTGCCTTGCCAGTGTGAGAATGACGCCTCCTGTCGGGATTTGGTTAATGGTTATCGCTG 1388
 Qy 1419 TATCTGTCCACCTGGCTATGCAGGCGATCACTGTGAGAGAGACATCGATGAATGTGCCAG 1478
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 Db 1389 TATCTGTCCACCTGGCTATGCAGGCGATCACTGTGAGAGAGACATCGATGAATGTGCCAG 1448
 Qy 1479 CAACCCCTGTTTGAATGGGGGTCACTGTGAGAATGAAATCAACAGATTCCAGTGTCTGTG 1538
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 Db 1449 CAACCCCTGTTTGAATGGGGGTCACTGTGAGAATGAAATCAACAGATTCCAGTGTCTGTG 1508
 Qy 1539 TCCCACTGGTTTCTCTGGAACCTCTGTCAGCTGGACATCGATTATTGTGAGCCTAATCC 1598

Db	1509	 TCCCACTGGTTTCTCTGGAAACCTCTGTGCTGAGCTGGACATCGATTATTGTGAGCCTAATCC	1568
Qy	1599	CTGCCAGAACGGTGCCCACTGCTACAACCGTGCCAGTGACTATTTCTGCAAGTGCCCCGA	1658
Db	1569	 CTGCCAGAACGGTGCCCACTGCTACAACCGTGCCAGTGACTATTTCTGCAAGTGCCCCGA	1628
Qy	1659	GGACTATGAGGGCAAGAACTGCTCACACCTGAAAGACCACTGCCGCACGACCCCCTGTGA	1718
Db	1629	 GGACTATGAGGGCAAGAACTGCTCACACCTGAAAGACCACTGCCGCACGACCCCCTGTGA	1688
Qy	1719	AGTGATTGACAGCTGCACAGTGGCCATGGCTTCCAACGACACACCTGAAGGGGTGCGGTA	1778
Db	1689	 AGTGATTGACAGCTGCACAGTGGCCATGGCTTCCAACGACACACCTGAAGGGGTGCGGTA	1748
Qy	1779	TATTTCTCCAACGCTCTGTGGTCTCACGGGAAGTGCAAGAGTCAGTCGGGAGGCCAAATT	1838
Db	1749	 TATTTCTCCAACGCTCTGTGGTCTCACGGGAAGTGCAAGAGTCAGTCGGGAGGCCAAATT	1808
Qy	1839	CACCTGTGACTGTAACAAAGGCTTCACGGGAACATACTGCCATGAAAATATTAATGACTG	1898
Db	1809	 CACCTGTGACTGTAACAAAGGCTTCACGGGAACATACTGCCATGAAAATATTAATGACTG	1868
Qy	1899	TGAGAGCAACCCTTGTAGAAACGGTGGCACTTGCATCGATGGTGTCAACTCCTACAAGTG	1958
Db	1869	 TGAGAGCAACCCTTGTAGAAACGGTGGCACTTGCATCGATGGTGTCAACTCCTACAAGTG	1928
Qy	1959	CATCTGTAGTGACGGCTGGGAGGGGGCCTACTGTGAAACCAATATTAATGACTGCAGCCA	2018
Db	1929	 CATCTGTAGTGACGGCTGGGAGGGGGCCTACTGTGAAACCAATATTAATGACTGCAGCCA	1988
Qy	2019	GAACCCCTGCCACAATGGGGGCACGTGTGCGGACCTGGTCAATGACTTCTACTGTGACTG	2078
Db	1989	 GAACCCCTGCCACAATGGGGGCACGTGTGCGGACCTGGTCAATGACTTCTACTGTGACTG	2048
Qy	2079	TAAAAATGGGTGGAAAGGAAAGACCTGCCACTCACGTGACAGTCAGTGTGATGAGGCCAC	2138
Db	2049	 TAAAAATGGGTGGAAAGGAAAGACCTGCCACTCACGTGACAGTCAGTGTGATGAGGCCAC	2108
Qy	2139	GTGCAACAACGGTGGCACCTGCTATGATGAGGGGGATGCTTTTAAGTGCATGTGTCCTGG	2198
Db	2109	 GTGCAACAACGGTGGCACCTGCTATGATGAGGGGGATGCTTTTAAGTGCATGTGTCCTGG	2168
Qy	2199	CGGCTGGGAAGGAACAACCTGTAACATAGCCCGAAACAGTAGCTGCCTGCCCAACCCCTG	2258
Db	2169	 CGGCTGGGAAGGAACAACCTGTAACATAGCCCGAAACAGTAGCTGCCTGCCCAACCCCTG	2228
Qy	2259	CCATAATGGGGGCACATGTGTGGTCAACGGCGAGTCCTTTACGTGCGTCTGCAAGGAAGG	2318
Db	2229	 CCATAATGGGGGCACATGTGTGGTCAACGGCGAGTCCTTTACGTGCGTCTGCAAGGAAGG	2288
Qy	2319	CTGGGAGGGGCCCATCTGTGCTCAGAATACCAATGACTGCAGCCCTCATCCCTGTTACAA	2378
Db	2289	 CTGGGAGGGGCCCATCTGTGCTCAGAATACCAATGACTGCAGCCCTCATCCCTGTTACAA	2348
Qy	2379	CAGCGGCACCTGTGTGGATGGAGACAACTGGTACCGGTGCGAATGTGCCCCGGGTTTTGC	2438
Db	2349	 CAGCGGCACCTGTGTGGATGGAGACAACTGGTACCGGTGCGAATGTGCCCCGGGTTTTGC	2408
Qy	2439	TGGGCCCCGACTGCAGAATAAACATCAATGAATGCCAGTCTTCACCTTGTGCCTTTGGAGC	2498
Db	2409	 TGGGCCCCGACTGCAGAATAAACATCAATGAATGCCAGTCTTCACCTTGTGCCTTTGGAGC	2468
Qy	2499	GACCTGTGTGGATGAGATCAATGGCTACCGGTGTGTCTGCCCTCCAGGGCACAGTGGTGC	2558
Db	2469	 GACCTGTGTGGATGAGATCAATGGCTACCGGTGTGTCTGCCCTCCAGGGCACAGTGGTGC	2528

Qy	2559	CAAGTGCCAGGAAGTTTCAGGGAGACCTTGTCATCACCATGGGGAGTGTGATAACCAGATGG	2618
Db	2529	CAAGTGCCAGGAAGTTTCAGGGAGACCTTGTCATCACCATGGGGAGTGTGATAACCAGATGG	2588
Qy	2619	GGCCAAATGGGATGATGACTGTAATACCTGCCAGTGCCTGAATGGACGGATCGCCTGCTC	2678
Db	2589	GGCCAAATGGGATGATGACTGTAATACCTGCCAGTGCCTGAATGGACGGATCGCCTGCTC	2648
Qy	2679	AAAGGTCTGGTGTGGCCCTCGACCTTGCCTGCTCCACAAAGGGCACAGCGAGTGCCCCAG	2738
Db	2649	AAAGGTCTGGTGTGGCCCTCGACCTTGCCTGCTCCACAAAGGGCACAGCGAGTGCCCCAG	2708
Qy	2739	CGGGCAGAGCTGCATCCCCATCCTGGACGACCAGTGCTTCGTCCACCCCTGCACTGGTGT	2798
Db	2709	CGGGCAGAGCTGCATCCCCATCCTGGACGACCAGTGCTTCGTCCACCCCTGCACTGGTGT	2768
Qy	2799	GGGCGAGTGTCTGGTCTTCCAGTCTCCAGCCGGTGAAGACAAAGTGCACCTCTGACTCCTA	2858
Db	2769	GGGCGAGTGTCTGGTCTTCCAGTCTCCAGCCGGTGAAGACAAAGTGCACCTCTGACTCCTA	2828
Qy	2859	TTACCAGGATAACTGTGCGAACATCACATTTACCTTTAACAAGGAGATGATGTCACCAGG	2918
Db	2829	TTACCAGGATAACTGTGCGAACATCACATTTACCTTTAACAAGGAGATGATGTCACCAGG	2888
Qy	2919	TCTTACTACGGAGCACATTTGCAGTGAATTGAGGAATTTGAATATTTTGAAGAATGTTTC	2978
Db	2889	TCTTACTACGGAGCACATTTGCAGTGAATTGAGGAATTTGAATATTTTGAAGAATGTTTC	2948
Qy	2979	CGCTGAATATTCAATCTACATCGCTTGCGAGCCTTCCCCTTCAGCGAACAATGAAATACA	3038
Db	2949	CGCTGAATATTCAATCTACATCGCTTGCGAGCCTTCCCCTTCAGCGAACAATGAAATACA	3008
Qy	3039	TGTGGCCATTTCTGCTGAAGATATACGGGATGATGGGAACCCGATCAAGGAAATCACTGA	3098
Db	3009	TGTGGCCATTTCTGCTGAAGATATACGGGATGATGGGAACCCGATCAAGGAAATCACTGA	3068
Qy	3099	CAAATAATCGATCTTGTTAGTAAACGTGATGGAAACAGCTCGCTGATTGCTGCCGTTGC	3158
Db	3069	CAAATAATCGATCTTGTTAGTAAACGTGATGGAAACAGCTCGCTGATTGCTGCCGTTGC	3128
Qy	3159	AGAAGTAAGAGTTTCAGAGGCGGCCTCTGAAGAACAGAACAGATTTCCCTTGTTCCCTTGCT	3218
Db	3129	AGAAGTAAGAGTTTCAGAGGCGGCCTCTGAAGAACAGAACAGATTTCCCTTGTTCCCTTGCT	3188
Qy	3219	GAGCTCTGTCTTAAGTGTGGCTTGGATCTGTTGCTTGGTGACGGCCTTCTACTGGTGCCT	3278
Db	3189	GAGCTCTGTCTTAAGTGTGGCTTGGATCTGTTGCTTGGTGACGGCCTTCTACTGGTGCCT	3248
Qy	3279	GCGGAAGCGGCGGAAGCCGGGCAGCCACACACACTCAGCCTCTGAGGACAACACCACCAA	3338
Db	3249	GCGGAAGCGGCGGAAGCCGGGCAGCCACACACACTCAGCCTCTGAGGACAACACCACCAA	3308
Qy	3339	CAACGTGCGGGAGCAGCTGAACCAGATCAAAAACCCCATGAGAAACATGGGGCCAACAC	3398
Db	3309	CAACGTGCGGGAGCAGCTGAACCAGATCAAAAACCCCATGAGAAACATGGGGCCAACAC	3368
Qy	3399	GGTCCCCATCAAGGATTACGAGAACAAGAACTCCAAAATGTCTAAAATAAGGACACACAA	3458
Db	3369	GGTCCCCATCAAGGATTACGAGAACAAGAACTCCAAAATGTCTAAAATAAGGACACACAA	3428
Qy	3459	TTCTGAAGTAGAAGAGGACGACATGGACAAACACCAGCAGAAAGCCCGGTTTGCCAAGCA	3518
Db	3429	TTCTGAAGTAGAAGAGGACGACATGGACAAACACCAGCAGAAAGCCCGGTTTGCCAAGCA	3488
Qy	3519	GCCGGCGTATACGCTGGTAGACAGAGAAGAGAAGCCCCCAACGGCACGCCGACAAAACA	3578
Db	3489	GCCGGCGTACACGCTGGTAGACAGAGAAGAGAAGCCCCCAACGGCACGCCGACAAAACA	3548

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Qy      3579 CCCAAACTGGACAAACAAACAGGACAACAGAGACTTGGAAGTGCCAGAGCTTAAACCG 3638
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Db      3549 CCCAAACTGGACAAACAAACAGGACAACAGAGACTTGGAAGTGCCAGAGCTTAAACCG 3608
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Qy      3639 AATGGAGTACATCGTATAG 3657
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Db      3609 AATGGAGTACATCGTATAG 3627

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; Sequence 6, Application US/08611729A
; Patent No. 6004924
; GENERAL INFORMATION:
; APPLICANT: Ish-Horowicz, David
; APPLICANT: Henrique, Domingos M.P.
; APPLICANT: Lewis, Julian H.
; APPLICANT: Myat, Anna M.
; APPLICANT: Fleming, Robert J.
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Mann, Robert S.
; APPLICANT: Gray, Grace E.
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF THE
; TITLE OF INVENTION: SERRATE GENE AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/611,729A
; FILING DATE: 06-MAR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
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; REGISTRATION NUMBER: 18,872
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; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1218 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-611-729A-6

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Query Match          99.7%; Score 7043; DB 2; Length 1218;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1214; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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Qy      1 MRSRTRGRSGRPLSLLLALLCALRAKVC GASGFEEILSMQNVNGELQNGNCCGGARN 60
      |||
Db      1 MRSRTRGRSGRPLSLLLALLCALRAKVC GASGFEEILSMQNVNGELQNGNCCGGARN 60

Qy     61 PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDNRNI 120
      |||
Db     61 PGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKASRGNDPNRI 120

Qy    121 VLPFSFAWPRS Y TLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE 180
      |||
Db    121 VLPFSFAWPRS Y TLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFE 180

Qy    181 YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP 240
      |||
Db    181 YQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMGPECNRAICRQGCSP 240

Qy    241 KHGSKLPGDCRCQYGWQGLYCDKCI PHPGCVH GICNEPWQCLCETNWGGQLCDKDLNYC 300

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Db 241 KHGSKLPGDCRCQYGWQGLYCDKCIHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYC 300
Qy 301 GTHQPCLNGGTCSNTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETSLSGFEC 360
Db 301 GTHQPCLNGGTCSNTGPDKYQCSCPEGYSGPNCEIAEHACLSDPCHNRGSKETSLSGFEC 360
Qy 361 ECSPGWTGPTCSTNIDDCSPNNCSHGGETCQDLVNGFKVCPPQWTGKTCQLDANECEAKP 420
Db 361 ECSPGWTGPTCSTNIDDCSPNNCSHGGETCQDLVNGFKVCPPQWTGKTCQLDANECEAKP 420
Qy 421 CVNAKSCKNLIASYYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYA 480
Db 421 CVNAKSCKNLIASYYCDCLPGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYA 480
Qy 481 GDHCERDIDECASNPCNLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC 540
Db 481 GDHCERDIDECASNPCNLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQC 540
Qy 541 YNRADYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVC 600
Db 541 YNRADYFCKCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVC 600
Qy 601 PHGKCKSQSGGKFTCDCKNGFTGTYPHENINDCESNPCRNGGTIDGVNSYKICSDGWE 660
Db 601 PHGKCKSQSGGKFTCDCKNGFTGTYPHENINDCESNPCRNGGTIDGVNSYKICSDGWE 660
Qy 661 GAYCETNINDCSQNPCHNGGTCDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC 720
Db 661 GAYCETNINDCSQNPCHNGGTCDLVNDFYCDCKNGWKGTCHSRDSQCDEATCNNGGTC 720
Qy 721 YDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCTVNGESFTCVCKEGWEGPICA 780
Db 721 YDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCTVNGESFTCVCKEGWEGPICA 780
Qy 781 QNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN 840
Db 781 QNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN 840
Qy 841 GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR 900
Db 841 GYRCVCPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACSKVWCGPR 900
Qy 901 PCLLHKHGHSECPSGQSCIPILDDQCFVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCAN 960
Db 901 PCLLHKHGHSECPSGQSCIPILDDQCFVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCAN 960
Qy 961 ITFTFNKEMMSPLTTEHICSELRLNLILKNVSAEYSIYIACEPSPSANNEIHVAISAED 1020
Db 961 ITFTFNKEMMSPLTTEHICSELRLNLILKNVSAEYSIYIACEPSPSANNEIHVAISAED 1020
Qy 1021 IRDDGNPIKEITDKIIDLVSKRDGNSSLIAAAVEVRVQRRPLKNRTDFLVPLLSSVLTVA 1080
Db 1021 IRDDGNPIKEITDKIIDLVSKRDGNSSLIAAAVEVRVQRRPLKNRTDFLVPLLSSVLTVA 1080
Qy 1081 WICCLVTAIFYWCLRRKRPKSGTHSASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYE 1140
Db 1081 WICCLVTAIFYWCLRRKRPKSGTHSASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYE 1140
Qy 1141 NKNSKMSKIRTHNSEVEEDMDKHQQKAREGKQPAYTLVDREEKPPNGTPTKHPNWTNKQ 1200
Db 1141 NKNSKMSKIRTHNSEVEEDMDKHQQKAREGKQPAYTLVDREEKPPNGTPTKHPNWTNKQ 1200
Qy 1201 DNRDLESAQSLNRMHEYIV 1218
Db 1201 DNRDLESAQSLNRMHEYIV 1218